

Work Order ID 150189

150189

Page 1

Wednesday, August 24, 2016 11:49:30 AM

Item ID: D139-799-211 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Quick Release Maintenance Step, LH
 Start Date: 8/24/2016 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 9/6/2016 Req'd Qty: 1.00 ***1*** Customer:
 Reference: **DAS 21 9-89**

Approvals: Process Plan: **DAS 21 9-89** Date: **AUG 25 2016** Tooling: Date: Run Start ***NR1***
 QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr						DAS 21 9-89		
IIN-D139-799	K L DAS 21 9-89	SEP 30 2016	DAS 6 9-89					16-10-03	
100	Document Control	0.00				DAS 27 9-89			
100									
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP D139-799-211 CHG001 CHG002 as per ECN 16-657 RM							OCT 31 2016	
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00						SEP 30 2016	DAS 6 9-89 DAS 28 9-89
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00				DAS 27 9-89			
120									
QC	Memo	0.00							
Quality Control									

OCT 31 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
				Completed By					
				Lead hand / Supervisor Approval Verification					
				QC / QA Coordinator Approval					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Work Order ID 150189

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150189

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Item ID: D139-799-211

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Quick Release Maintenance Step, LH

Start Date: 8/24/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 9/6/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00

130

Packaging

Memo

0.00

Identify and pack for shipping as per PPP D139-799-211

Location:

f5019

DAS
27
9-86

OCT 31 2016

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

DAS
21
9-89

OCT 31 2016

DAS
21
9-89

OCT 31 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	

Picklist Print

Wednesday, August 24, 2016 11:49:33 AM

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Work Order ID: 150189

150189

Parent Item: D139-799-211

D139-799-211

Parent Item Name: Quick Release Maintenance Step, LH

Start Date: 8/24/2016

Required Date: 9/6/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A NEW ISSUE 15-07-08 JLM VERIFIED BY:DD IPP
REV:B as per NCR16-5959 DD VERIFIED BY:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D5238-041 Maintenance Step Assembly		Manufactured	No				Each	0.0000	**	1		SEP 30 2016	DAS 6 28 9-89
D5238-043 Lower Bracket, Aft		Manufactured	No				Each	0.0000	**	1		OCT 28 2016	DAS 6 28 9-89
D5238-045 Lower Bracket, Fwd		Manufactured	No				Each	0.0000	**	1		OCT 28 2016	DAS 6 28 9-89
D5245-1 Mounting Bolt		Manufactured	No				Each	11.0000	**	1		SEP 30 2016	DAS 6 28 9-89
				<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>							
				ST160	11								
				147223	11								
AN6H12A Bolt		Purchased	No				Each	24.0000	**	2		SEP 30 2016	DAS 6 28 9-89
				<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>							
				Sr335	3								
				m132930	3								
				ST335	21								
				m134335	21								

Add per ECN 16-657

D5245-7

x1

2m

DAS 27 9-89

152487

OCT 27 2016

DAS 6 28 9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

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Work Order ID: 150189

150189

Parent Item: D139-799-211

D139-799-211

Parent Item Name: Quick Release Maintenance Step, LH

Start Date: 8/24/2016

Required Date: 9/6/2016

Start Qty: 1.00

Required Qty: 1.00

AN6H13A

Purchased

No

Each

45.0000

1

AN6H13A

Bolt

**

DAS
6
9-89

DAS
2
9-89

SEP 30 2016

DAS
27
9-89

Location

Loc Qty

Loc Code

ST335

45

m132930

2

m134257

13

m134370

30

NAS1149D0663J

Purchased

No

Each

982.0000

5

NAS1149D0663.J

Washer

**

DAS
6
9-89

DAS
28
9-89

SEP 30 2016

DAS
27
9-89

Location

Loc Qty

Loc Code

ST260

227

M131618

227

ST260a

600

M135464

600

ST263

150

M135135

150

ST269

5

M126334

5

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step # : _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
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Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

5.0 PARTS LIST

Qty -011	Qty -012	Qty -017	Qty -019	Qty -112	Qty -211	Qty -212	Qty -213	Part Number	Description
X								D139-799-011	MAINTENANCE STEP KIT, LH
	X							D139-799-012	MAINTENANCE STEP KIT, RH
		X						D139-799-017	CARGO FLOOR PROTECTOR KIT
			X					D139-799-019	CABIN FLOOR PROTECTOR KIT
				X				D139-799-112	MAINTENANCE STEP WITH GRAB BAR KIT, RH
					X			D139-799-211	QUICK RELEASE MAINTENANCE STEP KIT, LH
						X		D139-799-212	QUICK RELEASE MAINTENANCE STEP KIT, RH
							X	D139-799-213	QUICK RELEASE MAINTENANCE STEP PROVISIONS KIT
		2						D3580-1	JOGGLE BRACKET
		2	8					D3628-1	CUPPED WASHER
1								D4092-041	MAINTENANCE STEP ASSEMBLY
	1							D4092-042	MAINTENANCE STEP ASSEMBLY
			1					D4130-1	FWD CABIN FLOOR PROTECTOR
			1					D4130-3	AFT CABIN FLOOR PROTECTOR
		1						D4130-5	FWD CARGO FLOOR PROTECTOR
		1						D4130-7	CENTER CARGO FLOOR PROTECTOR
		1						D4130-9	AFT CARGO FLOOR PROTECTOR
		1						D4153-1	JOGGLE BRACKET
		1						D4153-3	JOGGLE BRACKET
			4					D4153-5	CLAMP PLATE
		2						D4166-1	PLACARD, MAX LOAD
				1				D4526-042	MAINTENANCE STEP ASSEMBLY, RH
					1			D5238-041	MAINTENANCE STEP ASSEMBLY
						1		D5238-042	MAINTENANCE STEP ASSEMBLY
					1	1	1	D5238-043	LOWER BRACKET, AFT
					1	1	1	D5238-045	LOWER BRACKET, FWD
					1	1	1	D5245-1	MOUNTING BOLT
2	2			2	2	2	2	AN6H12A	BOLT
2	2			2	1	1	1	AN6H13A	BOLT
6	6			6	5	5	5	NAS1149D0663J	WASHER (or AN960JD616)

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D139-799 REV. 1 OR LATER APPROVED REVISION AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D139-799 REV. 11 OR LATER APPROVED REVISIONS

REF. FAA STC: SR02138SE
REF. TCCA LOA: C-11-0841
REF. EASA STC: 10038656
REF. ANAC STC: 2012S02-13
REF. JCAB STC: STC-425-TYO

1.0 PURPOSE

The D5245-1 Mounting Bolt provided with kit P/Ns D139-799-211/-212/-213 at CHG 001 is too short for installation on AB/AW139 model aircraft that are SAR configured or reinforced for installation of a hoist. The purpose of this DART Service Instruction (DSI) is to add a longer bolt (P/N D5245-7) to kit P/Ns D139-799-211/-212/-213 at CHG 002 and later.

Customers who have already purchased kit P/Ns D139-799-211/-212/-213 at CHG 001 can contact DART to obtain the DSI 9761-011 Mounting Bolt Kit.

Qty -011	Part Number	Description
X	DSI 9761-011	MOUNTING BOLT KIT
1	D5245-7	MOUNTING BOLT

2.0 INSTALLATION AND MAINTENANCE

The D5245-7 Mounting Bolt installs on AB/AW139 model aircraft that are SAR configured or reinforced for installation of a hoist only. The D5245-7 Mounting Bolt should be installed and maintained in accordance with the same instructions as the D5245-1 Mounting Bolt as outlined in IIN-D139-799 and ICA-D139-799 respectively.

3.0 WEIGHT AND BALANCE

This change has a negligible effect on weight and balance.

4.0 PARTS LISTS

For D139-799-211/-212 Quick Release Maintenance Step Kits, LH/RH and D139-799-213 Quick Release Maintenance Step Provisions Kit, modify the Parts List of IIN-D139-799 and ICA-D139-799 as follows:

Qty -011	Qty -012	Qty -017	Qty -019	Qty -112	Qty -211	Qty -212	Qty -213	Part Number	Description
X								D139-799-011	MAINTENANCE STEP KIT, LH
	X							D139-799-012	MAINTENANCE STEP KIT, RH
		X						D139-799-017	CARGO FLOOR PROTECTOR KIT
			X					D139-799-019	CABIN FLOOR PROTECTOR KIT
				X				D139-799-112	MAINTENANCE STEP WITH GRAB BAR KIT, RH
					X			D139-799-211	QUICK RELEASE MAINTENANCE STEP KIT, LH
						X		D139-799-212	QUICK RELEASE MAINTENANCE STEP KIT, RH
							X	D139-799-213	QUICK RELEASE MAINTENANCE STEP PROVISIONS KIT
					1	1	1	D5245-7	MOUNTING BOLT (ADD)

APPROVED

A	NEW ISSUE	ML	16.10.20
REV.	DESCRIPTION	BY	DATE
DESIGN	MB	DART AEROSPACE USA, INC.	
DRAWN	ML	EUGENE, OR	
CHECKED	AJS	DRAWING NO.	REV. A
MFG. APPR.	DD	DSI 9761	SHEET 1 OF 1
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	MOUNTING BOLT KIT	NTS
DATE	16.10.20	COPYRIGHT © 2016 BY DART AEROSPACE USA, INC.	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.			